

8895 PENCIL  
1155 PENCILS  
9300 PENCIL  
    (PENCIL OR PENCILS)  
159537 HARDNESS  
1890 HARDNESSES  
160280 HARDNESS  
    (HARDNESS OR HARDNESSES)  
L5 6263 PENCIL(L)HARDNESS

=> s base body or substrate

563136 BASE  
130857 BASES  
644565 BASE  
    (BASE OR BASES)  
428639 BODY  
95113 BODIES  
498314 BODY  
    (BODY OR BODIES)  
316 BASE BODY  
    (BASE(W)BODY)  
666185 SUBSTRATE  
314430 SUBSTRATES  
839135 SUBSTRATE  
    (SUBSTRATE OR SUBSTRATES)  
L6 839427 BASE BODY OR SUBSTRATE

=> d his

(FILE 'HOME' ENTERED AT 10:16:42 ON 12 MAR 2003)

FILE 'CAPLUS' ENTERED AT 10:19:05 ON 12 MAR 2003

L1 29 S DETERGENT-IMPREGNATED OR DETERGENT IMPREGNATED  
L2 130330 S ARTICLE  
L3 2748683 S WATER OR AQUEOUS  
L4 6117 S PENCIL HARDNESS  
L5 6263 S PENCIL(L)HARDNESS  
L6 839427 S BASE BODY OR SUBSTRATE

=> s l1 and l2

L7 1 L1 AND L2

=> s l2 and l3 and l5 and l6

L8 15 L2 AND L3 AND L5 AND L6

=> s l8 and l1

L9 0 L8 AND L1

=> s solid(l)abrasive(l)particle

857779 SOLID  
254780 SOLIDS  
1047858 SOLID  
    (SOLID OR SOLIDS)  
24803 ABRASIVE  
10183 ABRASIVES  
27533 ABRASIVE  
    (ABRASIVE OR ABRASIVES)  
564773 PARTICLE  
637512 PARTICLES  
959260 PARTICLE  
    (PARTICLE OR PARTICLES)  
L10 481 SOLID(L)ABRASIVE(L) PARTICLE

=> d his

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L1 29 S DETERGENT-IMPREGNATED OR DETERGENT IMPREGNATED  
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L4 6117 S PENCIL HARDNESS  
L5 6263 S PENCIL(L)HARDNESS  
L6 839427 S BASE BODY OR SUBSTRATE  
L7 1 S L1 AND L2  
L8 15 S L2 AND L3 AND L5 AND L6  
L9 0 S L8 AND L1  
L10 481 S SOLID(L)ABRASIVE(L) PARTICLE

=> s 12 and 13 and 15 and 16 and 110  
L11 0 L2 AND L3 AND L5 AND L6 AND L10

=> s 15 and 110  
L12 0 L5 AND L10

=> s abrasive(l)particles  
24803 ABRASIVE  
10183 ABRASIVES  
27533 ABRASIVE  
(ABRASIVE OR ABRASIVES)  
637512 PARTICLES  
1 PARTICLESES  
637512 PARTICLES  
(PARTICLES OR PARTICLESES)  
L13 4332 ABRASIVE(L) PARTICLES

=> s 113 and 15  
L14 0 L13 AND L5

=> s cleansing agent or soap or detergent  
8069 CLEANSING  
27 CLEANSINGS  
8074 CLEANSING  
(CLEANSING OR CLEANSINGS)  
633188 AGENT  
855248 AGENTS  
1241224 AGENT  
(AGENT OR AGENTS)  
787 CLEANSING AGENT  
(CLEANSING (W) AGENT)  
41164 SOAP  
25060 SOAPS  
52569 SOAP  
(SOAP OR SOAPS)  
70186 DETERGENT  
61651 DETERGENTS  
96537 DETERGENT  
(DETERGENT OR DETERGENTS)  
L15 143178 CLEANSING AGENT OR SOAP OR DETERGENT

=> s impregnat?  
L16 128945 IMPREGNAT?

=> d his

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L1 29 S DETERGENT-IMPREGNATED OR DETERGENT IMPREGNATED  
 L2 130330 S ARTICLE  
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 L4 6117 S PENCIL HARDNESS  
 L5 6263 S PENCIL(L)HARDNESS  
 L6 839427 S BASE BODY OR SUBSTRATE  
 L7 1 S L1 AND L2  
 L8 15 S L2 AND L3 AND L5 AND L6  
 L9 0 S L8 AND L1  
 L10 481 S SOLID(L)ABRASIVE(L) PARTICLE  
 L11 0 S L2 AND L3 AND L5 AND L6 AND L10  
 L12 0 S L5 AND L10  
 L13 4332 S ABRASIVE(L)PARTICLES  
 L14 0 S L13 AND L5  
 L15 143178 S CLEANSING AGENT OR SOAP OR DETERGENT  
 L16 128945 S IMPREGNAT?

=> s l2 and l15 and l16

L17 52 L2 AND L15 AND L16

=> s l3 and l6 and l13

L18 100 L3 AND L6 AND L13

=> s l17 and l18

L19 1 L17 AND L18

=> d l19 bib,abs

L19 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

AN 1998:406052 CAPLUS

DN 129:83014

TI **Detergent-impregnated article** for easy  
cleaning of hard surfaces without streaking

IN Hanaoka, Koji; Hoshino, Eiichi; Inaba, Fumiko; Sionome, Hironobu

PA Kao Corp., Japan; Hanaoka, Koji; Hoshino, Eiichi; Inaba, Fumiko; Sionome, Hironobu

SO PCT Int. Appl., 57 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9826040	A1	19980618	WO 1997-JP4448	19971204
	W: AU, CN, KR, SG, US, VN				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	JP 10165344	A2	19980623	JP 1996-328778	19961209
	JP 3007578	B2	20000207		
	AU 9851367	A1	19980703	AU 1998-51367	19971204
	AU 730354	B2	20010308		
	EP 944713	A1	19990929	EP 1997-946107	19971204
	EP 944713	B1	20030226		
	R: DE, ES, FR, GB, NL				
	CN 1239996	A	19991229	CN 1997-180436	19971204
PRAI	JP 1996-328778	A	19961209		
	JP 1997-94241	A	19970411		
	JP 1997-94242	A	19970411		
	WO 1997-JP4448	W	19971204		

OS MARPAT 129:83014

AB A **detergent-impregnated article**, esp.

suitable for cleaning a hard surface such as glass, comprises a

**base body impregnated** with a **detergent**

comprising solid **abrasive particles**, e.g., a vinyl

(co)polymer, silicone deriv., etc.; a protective layer-forming component,

e.g., dimethylpolysiloxane; an org. solvent, e.g., an n-alkane; a drying accelerator, e.g., ethanol; a thickening polysaccharide; and a surface-active agent, e.g., dodecyl glucoside. A hard surface is wiped with the **detergent-impregnated article** to apply the **detergent** and release dirt from the surface, then dry-wiped lightly with a wiping sheet to remove the dirt and **detergent** and form a stain-resistant protective layer on the surface. Thus, a **detergent** comprising silicone powder (av. particle size 2 .mu.m) 3, dimethylpolysiloxane 0.5, n-paraffin 2, dodecyl glucoside 0.50, xanthan gum 0.13, ethanol 20, and **water** 71.87% was **impregnated** in a pulp sheet (basis wt. 55 g/m2, thickness 0.9 mm) to 300-500% uptake, and the sheet used to wipe a glass plate, which, after the **detergent** dried, was dry-wiped with an unimpregnated pulp sheet dynamic friction coeff. in wiping 0.20, gloss 114, static friction coeff. of cleaned surface 0.25, and staining degree 17%, compared with 0.50, 100, 0.60, and 91%, resp., for a com. glass cleaner.

RE.CNT 4      THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> FIL STNGUIDE  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
50.42	51.26

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-0.65	-0.65

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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.  
LAST RELOADED: Mar 7, 2003 (20030307/UP).

=> log y  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.36	51.62

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-0.65

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STN INTERNATIONAL LOGOFF AT 10:32:28 ON 12 MAR 2003